Mesa Research

CERTIFICATE OF ANALYSIS · LOT RELEASE

mesaresearchco.com

CERTIFICATE NO.
PL-26-00142

VERIFICATION KEY
6K5PQU4D

Scan or enter both at prymalabnet/testing/verify

CERTIFICATE OF ANALYSIS · LOT RELEASE · ISSUED FOR MESA RESEARCH

BPC-157 10 mg

Lot PL-2610-020 · Lyophilized powder · Label claim 10 mg per vial

TESTED IN-HOUSE BY PRYMALAB

In-house analytical result, not an independent third-party test

LOT / BATCH NUMBER	DATE MADE	DATE OF ANALYSIS	DATE ISSUED
PL-2610-020	2026-10-01	2026-10-02	2026-10-16

RETEST / EXPIRY	UNITS IN LOT / SAMPLED	STORAGE	CERTIFICATE TYPE
2028-10-01	299 / 2	−20 °C, desiccated, dark	Lot COA, 2 pages

COMPOUND	CAS NUMBER	MOLECULAR FORMULA	THEORETICAL MASS (AVG.)
BPC-157 Body Protection Compound-157; pentadecapeptide	137525-51-0	$C_{62}H_{98}N_{16}O_{22}$	1,419.55 Da

SEQUENCE
GEPPPGKPADDAGLV

PURITY · RP-HPLC, AREA %
99.49%
Specification ≥ 99.0% · main peak at 13.00 min

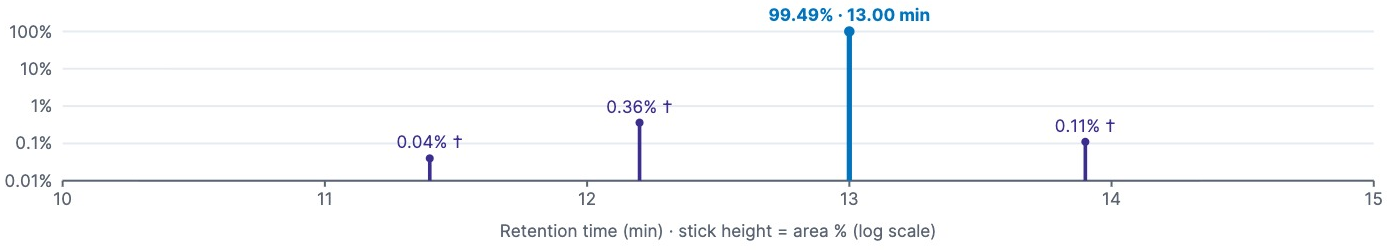
IDENTITY · OBSERVED MASS
1,419.53 Da
Theoretical 1,419.55 Da · −0.02 Da (14 ppm)

OVERALL CONCLUSION
PASS
Meets every specification for the tests performed

TEST	METHOD	SPECIFICATION	RESULT	CONCLUSION
Identity (mass)	LC-MS, ESI positive	Theoretical ± 1.0 Da	1,419.53 Da	PASS
Purity	RP-HPLC, UV 214 nm, area%	≥ 99.0%	99.49%	PASS
Largest impurity	RP-HPLC, area%	≤ 1.0 %	0.36% (RT 12.20)	PASS
Water content	Karl Fischer	≤ 5.0%	2.91%	PASS
Bacterial endotoxin	LAL, kinetic	≤ 5.0 EU/mg	0.354 EU/mg	PASS
Sterility	USP <71>, 14-day	No growth	No growth	PASS

1 HPLC CHROMATOGRAM

Data file: PL-2610-020-HPLC.raw · Column C18, 150 × 4.6 mm · UV 214 nm



Peak plot drawn from the integrated peak table (area %, log scale); it is not the instrument trace, which is retained in PL-2610-020-HPLC.raw. † Nominal reference retention time for the assigned impurity; the main-peak RT is observed in this lot.

Verify: prymalabnet/testing/verify · **PL-26-00142** · key **6K5PQU4D**

For laboratory research use only. Not for human or veterinary use.

2 HPLC METHOD · PL-2610-020-HPLC.RAW

INSTRUMENT
Waters Alliance e2695

DATA SYSTEM
Empower 3

DETECTOR
UV absorbance

DETECTION WAVELENGTH
214 nm

COLUMN
C18, 150 × 4.6 mm, 3.5 µm

MOBILE PHASE A
0.1% TFA in water

MOBILE PHASE B
0.1% TFA in MeCN

GRADIENT
5–95% B over 25 min (linear)

FLOW RATE
1.0 mL/min

COLUMN TEMPERATURE
40 °C

INJECTION VOLUME
10 µL

3 GRADIENT PROGRAM

TIME (MIN)	% A	% B
0.0	95	5
25.0	5	95

4 PEAK TABLE

PEAK	RT (MIN)	AREA	AREA %
1	11.40 †	—	0.04
2	12.20 †	—	0.36
3	**13.00**	**—**	**99.49**
4	13.90 †	—	0.11
Total		—	100.00

Peaks: 1 deamidation product; 2 isoaspartate (isoasp) variant; 3 main peak (BPC-157); 4 truncated sequence. Area % from the integrated peak table (absolute areas are not part of the lot-release export). † nominal reference RT for the assigned impurity. Purity = main peak area ÷ total integrated area × 100, to two decimals; main peak shaded.

5 IDENTITY BY MASS SPECTROMETRY

INSTRUMENT
Waters SQD

IONIZATION / MODE
ESI, positive

REFERENCE M/Z (CHARGE)
710.78 (2+) · 474.19 (3+)

DECONVOLUTED MASS
1,419.53 Da

THEORETICAL MASS
1,419.55 Da

DIFFERENCE
−0.02 Da (14 ppm)

DATA FILE
PL-2610-020-MS.d

ACCEPTANCE
Within ± 1.0 Da

6 ADDITIONAL TESTS

TEST	PERFORMED BY	DATE	REPORT / FILE
Water content (Karl Fischer)	PrymaLab Analytical	2026-10-02	—
Endotoxin (LAL, kinetic)	PrymaLab Analytical	2026-10-02	—
Sterility (USP <71>, day-14 read-out)	PrymaLab Analytical	2026-10-16	—

A test with no row here was not performed on this lot. Outside-laboratory reports, when used, are attached and named below.

7 REVIEW AND APPROVAL

D. Reynolds
Analyst · performed the testing
Date: 2026-10-16

S. Calloway
Reviewer · checked against raw data
Date: 2026-10-16

M. Phelps
Lab Director · approved for release
Date: 2026-10-16

Raw data retained at: Empower 3, project PL-2610, archive PL-ARC-2026; 7 years. Outside laboratory reports attached: None

This certificate applies only to the lot named above and describes the units sampled from it; it is not a guarantee for any other lot. Results were obtained by PrymaLab LLC's own laboratory (PrymaLab Analytical) and are not an independent third-party test unless an outside report is attached. This copy is issued for Mesa Research, a distributor of the lot; the brand shown does not change the laboratory, the method or the results. Reference values (CAS, formula, theoretical mass, sequence) are literature values for the named compound. Authenticity: scan the QR code or enter certificate number PL-26-00142 and key 6K5PQU4D at prymalabnet/testing/verify; any copy that does not match the record shown there is not a PrymaLab certificate. PrymaLab LLC products are supplied for laboratory research use only and not for human or veterinary use.